

CLAIM AMENDMENTS

1. (Currently amended) A hydraulic shock absorber for a vehicle, comprising:
a slide member slidably provided within a cylinder tube; and
a working fluid chamber provided within the cylinder tube and the slide member,
wherein
a guide bush coated with a polytetrafluoroethylene and an oil seal sealing the fluid chamber disposed in an inner periphery of the cylinder tube so as to be in slide contact with an outer peripheral surface of the slide member, and
an amorphous hard carbon film disposed on the outer peripheral surface of the slide member, and
an intermediate silicon-carbon layer disposed between the amorphous hard carbon film and the outer peripheral surface of the slide member.
2. (Original) The hydraulic shock absorber for a vehicle according to claim 1, wherein grooves having a fine depth and holding the working fluid are formed in a net shape on a surface of the amorphous hard carbon film.
3. (Original) The hydraulic shock absorber for a vehicle according to claim 2, wherein the net-shaped grooves have a depth between 0.09 and 0.2 μm .
4. (New) The hydraulic shock absorber of a vehicle according to claim 1 wherein the amorphous hard carbon film has a thickness of 1 to 5 μm .
5. (New) The hydraulic shock absorber of a vehicle according to claim 4 wherein the amorphous hard carbon film has a thickness of 2 to 3 μm .
6. (New) The hydraulic shock absorber of a vehicle according to claim 4 wherein the amorphous hard carbon film has a thickness of 1 to 5 μm .
7. (New) The hydraulic shock absorber of a vehicle according to claim 6 wherein the amorphous hard carbon film has a thickness of 2 to 3 μm .

8. (New) The hydraulic shock absorber of a vehicle according to claim 3 wherein the amorphous hard carbon film has a thickness of 1 to 5 μm .
9. (New) The hydraulic shock absorber of a vehicle according to claim 8 wherein the amorphous hard carbon film has a thickness of 2 to 3 μm .
10. (New) The hydraulic shock absorber of claim 1 wherein the silicon carbon layer contains 30% silicon.
11. (New) The hydraulic shock absorber of claim 1 wherein the amorphous hard carbon layer contains silicon.
12. (New) The hydraulic shock absorber of claim 11 wherein the amorphous hard carbon layer contains 5% silicon.
13. (New) The hydraulic shock absorber of claim 10 wherein the amorphous hard carbon layer contains silicon.
14. (New) The hydraulic shock absorber of claim 13 wherein the amorphous hard carbon layer contains 5% silicon.
15. (New) The hydraulic shock absorber of a vehicle according to claim 10 wherein the amorphous hard carbon film has a thickness of 1 to 5 μm .
16. (New) The hydraulic shock absorber of a vehicle according to claim 15 wherein the amorphous hard carbon film has a thickness of 2 to 3 μm .
17. (New) The hydraulic shock absorber of a vehicle according to claim 11 wherein the amorphous hard carbon film has a thickness of 1 to 5 μm .
18. (New) The hydraulic shock absorber of a vehicle according to claim 12 wherein the amorphous hard carbon film has a thickness of 1 to 5 μm .
19. (New) The hydraulic shock absorber of a vehicle according to claim 13 wherein the amorphous hard carbon film has a thickness of 1 to 5 μm .

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20. (New) The hydraulic shock absorber of a vehicle according to claim 14 wherein the amorphous hard carbon film has a thickness of 1 to 5 μm .